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This document is a guide to hospital library resources in the Northeastern Ohio Regional Medical Program (NEORMP). This information is intended to provide a data base for establishment of a network of hospital libraries linked to the major resource libraries in the region. Data collected in a survey of the 73 hospitals involved in the NEORMP cover patient care, education, and research functions of the hospitals. Additional data are used to analyze the funding, organization, and operation of the 50 hospital libraries identified as functional, or those reporting personnel engaged in library activities. Data describing the educational attainment, age, job mobility, work experience, percentage of time spent in the library, etc., of the staffs of these libraries are aso presented. A list of hospitals included in the NEORMP is appended. (CC)

LI 001019

EDUCATION FOR HOSPITAL LIBRARY PERSONNEL

Continuation of

FEASIBILITY STUDY FOR CONTINUING EDUCATION OF MEDICAL LIBRARIANS

HOSPITAL LIBRARY PLANNING DATA

FOR THE

NORTHEASTERN OHIO REGIONAL MEDICAL PROGRAM

INTERIM REPORT NO. 3

ED 023425

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through the National Library of Medicine

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August 1, 1968

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
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EDUCATION FOR HOSPITAL LIBRARY PERSONNEL
Continuation of
FEASIBILITY STUDY FOR CONTINUING EDUCATION OF MEDICAL LIBRARIANS

H O S P I T A L L I B R A R Y P L A N N I N G D A T A
F O R T H E
N O R T H E A S T E R N O H I O R E G I O N A L M E D I C A L P R O G R A M

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Chapter I

INTRODUCTION

This report was prepared to serve as a guide to hospital library resources in the Northeastern Ohio Regional Medical Program. It is anticipated that the information contained herein will constitute a data base for the design and implementation of a network of hospital libraries linked to the major resource libraries within the Region. Computer printouts of all relevant data have been made available to Barry Decker, M.D., Coordinator of the Northeastern Ohio Regional Medical Program. Apart from its relevance to Northeastern Ohio the Report may be of some use as an exemplar for similar data collecting and library planning activities in other Regional Medical Programs both in Ohio and elsewhere.

Data are presented describing the patient care, education and research functions in the 73 hospitals determined to be located within the Northeastern Ohio Regional Medical Program.* Next, data are presented and analyzed with respect to the funding, organization and operation of the 50 hospital libraries within the Northeastern Ohio Regional Medical Program identified as functional (i.e., reporting personnel engaged in library activities). Finally, data are presented describing the manpower employed in these libraries with respect to educational attainment, age, job mobility, work experience, percentage of time spent in the library, etc.

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* See Appendix A for a list of these hospitals.

The data presented in this Report were gathered in connection with a research investigation entitled "Feasibility Study for Continuing Education of Medical Librarians"* which has as its objective the upgrading of hospital library practice in Ohio by means of continuing education programs. As a preliminary step in the design, implementation and evaluation of educational offerings for hospital library manpower a data bank has been created by extensive survey efforts relating to the location, facilities, resources, functions, services, budgets and personnel of all hospital libraries in Ohio. Data have also been gathered in relation to the patient care, education and research functions of Ohio hospitals since the design of the research project is based upon the fundamental assumption that the hospital library located within the hospital environment is, or ought to be, engaged in a series of interactions with each of the primary hospital functions, taken separately and in combination, and that the resources, facilities, services and personnel of the library should be observed and evaluated within this series of relationships. This larger research project has been reported elsewhere.**

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* Supported by PHS Grant LM-00422 through the Extramural Program, National Library of Medicine.

**See Rees, Alan M. and Lesliebeth Rothenberg, "Feasibility Study for Continuing Education of Medical Librarians," Interim Report No. 1., Center for Documentation and Communication Research, Case Western Reserve University, January 15, 1968, 66 p; and "Education for Hospital Library Personnel" (Continuation of Feasibility Study for Continuing Education for Medical Librarians)" Interim Report No. 2., Center for Documentation and Communication Research, Case Western Reserve Universit July 16, 1968, 99 p.

It is argued that the successful implementation of national and regional medical library networks will necessarily involve an upgrading of hospital libraries. The development of resource libraries as nodes in regional medical library networks has to be accompanied by support of the "retail outlets" -- the libraries in the various hospitals standing in several degrees of proximity to the metropolitan or regional library centers. Yet the role of the hospital library within the hospital system and the relationship of the individual hospital library to regional and other resource libraries located in university medical centers and elsewhere have yet to be adequately conceptualized. Although the potential role of the hospital library is recognized, and despite an awareness that the overwhelming majority of libraries do not function as efficient channels of communication, effective upgrading has been hindered by a lack of reliable data.

The rapidly developing regionalization of hospital services will continue to exert a powerful influence on the development of hospital library practice. It is evident that any regional planning of library services should follow the existing and projected planning of regional health care services. The impact of Regional Medical Programs in this connection will in the long run be very influential. The role of the medical library within this context is becoming increasingly evident. The improvement of patient care through research, continuing education and training and the development of better methods for the exchange of

information among medical schools, medical centers, community hospitals, practicing physicians and other health institutions can be facilitated and strengthened by the provision of more adequate library services within coalescing regional configurations. This fact has been recognized by a number of Regional Medical Programs which are actively engaged in the planning and implementation of medical library networks.

Chapter II

DATA DESCRIBING HOSPITAL FUNCTIONS -- PATIENT CARE, RESEARCH AND EDUCATION -- WITHIN NORTHEASTERN OHIO REGIONAL MEDICAL PROGRAM

A. Sources and Organization of Data

The data reported in this, and in the following two, chapters were gathered as a result of a survey of all hospitals within the Northeastern Ohio Regional Medical Program (NEORMP) encompassing twelve counties.* The survey population was defined as all hospitals within this region possessing a medical library.

The survey population was identified by a two-step process. First, all existing hospitals within the 12 county region were identified from the Ohio State Department of Health "List of Health Care Facilities" and from the August 1967 Guide Issue of the Journal of the American Hospital Association. Second, each hospital was examined to determine whether a medical library existed. This determination was made on the basis of a set of four criteria. These criteria were drawn from data reported in the Annual Hospital Registration Report, completed by each hospital and submitted to the Ohio State Department of Health, and from a questionnaire sent directly to each hospital administrator.**

*Ashtabula, Columbiana, Cuyahoga, Geauga, Lake, Lorain, Mahoning, Medina, Portage, Stark, Summit and Trumbull counties.
**See Interim Report number one for the Questionnaire.

The four criteria were:

(i) Accreditation of the hospital by the Joint Commission on Hospital Accreditation

(ii) Report by the hospital that a medical library exists within its institution

(iii) Indication by the hospital that the library is funded

(iv) Identification of personnel in the library

Each hospital meeting at least one of these criteria was accepted as a member of the survey population. These criteria are considered to represent minimal requirements for a library and thereby to assure that any hospital having any kind of an operational library would be surveyed. Seventy-three hospitals were in this manner included in the survey population for the Northeastern Ohio Regional Medical Program.

The survey population includes long and short term, federal and non-federal, hospitals. Most state-supported hospitals were excluded since relevant data concerning their patient care, research and educational functions could not be obtained from the Ohio Department of Mental Hygiene.

The total survey population has been divided into two sub-populations: sub-population #1 includes short and long term general hospitals; sub-population #2 includes short-and long-term specialty hospitals.

The data reported in this chapter were drawn from the 1967 Annual Hospital Registration Report completed by all Ohio hospitals and from the Administrator's Questionnaire, on which a near-100% return was achieved. The focus in our research is on activities within the hospital which are hypothesized to have a direct relationship to the hospital's library. Specifically, within the patient care program interest centered on facilities and services, organized clinics in the outpatient department, organized

medical departments (or services) within the hospital, total numbers of hospital personnel and the numbers of hospital personnel involved in the various aspects of direct patient care. Within the research program, interested focussed on the size of the research effort undertaken within the hospital and on the subject areas of the research. Within the educational program, data was gathered with reference to training programs including the types of residency specialties offered and continuing education programs. The relationships between these programs and their interrelationships with the medical library are explored in detail elsewhere*.

B. Tables

The following tables are computer generated, and appear in sets of three. For example, data relating to facilities and services appear first for the total population and separately for each of the two sub-populations. This format is followed for each variable. Inconsistencies in totals reflect inconsistencies in the original data.

The bed increments are those used in analyzing similar data across the state for 227 hospitals. The increments were established by dividing

*Data relating to continuing education programs and to the size of research programs are not included here since it is difficult to represent such data meaningfully in table form. See Rees, Alan M. and Lesliebeth Rothenberg, Interim Report No. 2 cited above.

the 227 hospitals into equal groups. Within the Northeastern Ohio Regional Medical Program there are 19 hospitals in the 25-100 bed increment, 14 in the 101-175 bed increment, 11 in the 176-250 bed increment, 8 in the 251 to 325 bed increment, and 22 in the over 326 bed increment.

TOTAL POPULATION

TABLE 1

FACILITIES AND SERVICES

BED INCREMENTS	25-100	101-175	176-250	251-325	326-400	OVER 401	TOTAL
ANESTHESIA	15	11	10	7	8	11	62
AUTOPSY	9	10	11	7	8	11	56
BLOOD BANK	14	9	11	7	7	11	59
CANCER REGISTER	1	2	6	7	6	10	32
CARDIOLOGY	2	2	7	4	6	11	32
CHAPEL	8	8	9	5	7	9	46
CLINICAL LAB	19	13	11	7	8	11	69
COBALT THERAPY	0	0	0	2	3	8	13
DELIVERY	13	9	9	7	6	9	53
DENTAL	6	3	4	3	7	8	31
DIETARY	18	12	11	7	8	11	67
ELECTROCARDIOLO	19	13	10	7	8	11	68
ELECTROENCEPHAL	1	2	6	3	7	11	30
ORGANIZED EMERG	15	8	10	7	7	11	58
EXTENDED CARE	2	0	1	0	1	1	5
FAMILY PLANNING	2	0	0	0	3	4	9
HOME CARE	2	0	0	1	1	0	4
ORG HOSPITAL AU	16	11	11	7	6	8	59
INTENSIVE CARE	1	3	5	6	4	10	29
MEDICAL LIBRARY	17	12	11	7	8	11	66
MEDICAL RECORDS	19	13	11	7	8	11	69
MED SOCIAL SER	4	2	4	3	6	9	28
OCCUPATIONAL TH	2	2	1	1	4	8	18
OPERATING RM	18	13	11	7	8	11	68
ORG OUTPATIENT	4	2	5	6	7	10	34
PATH LAB	14	10	11	7	8	11	61
PHARMACY	12	12	11	7	7	11	60
PHYSICAL THERAP	4	8	10	7	8	11	48
POST OP REC RM	12	11	11	7	7	11	59
PREMATURE NURSE	8	8	10	7	6	9	48
PSYCHIATRIC INP	1	0	2	2	3	8	16
RADIOACTIVE IST	1	6	9	7	7	11	41
RADIUM THERAPY	3	5	5	6	6	11	36
REHABILITATION	1	0	0	3	2	3	9
XRAY DIAGNOSTIC	19	13	11	7	8	11	69
XRAY ROUTINE	12	8	5	2	4	6	37
XRAY THERAPEUTI	2	6	9	6	7	11	41

EXPERIMENTAL POPULATION 1

TABLE 2

BED INCREMENTS	FACILITIES AND SERVICES 25-100	101-175	176-250	251-325	326-400	OVER 401	TOTAL
ANESTHESIA	12	11	9	7	6	11	56
AUTOPSY	5	9	10	7	6	11	48
BLOOD BANK	11	9	10	7	6	11	54
CANCER REGISTER	1	2	6	7	6	10	32
CARDIOLOGY	2	2	6	4	6	11	31
CHAPEL	4	7	9	5	6	9	40
CLINICAL LAB	14	11	10	7	6	11	59
COBALT THERAPY	0	0	0	2	3	8	13
DELIVERY	10	9	9	7	6	9	50
DENTAL	3	1	4	3	5	8	24
DIETARY	13	10	10	7	6	11	57
ELECTROCARDIOLO	14	11	9	7	6	11	58
ELECTROENCEPHAL	0	2	5	3	6	11	27
ORGANIZED EMERG	13	8	9	7	6	11	54
EXTENDED CARE	1	0	1	0	0	1	3
FAMILY PLANNING	0	0	0	0	3	4	7
HOME CARE	1	0	0	1	0	0	2
ORG HOSPITAL AU	12	11	10	7	6	8	54
INTENSIVE CARE	1	3	5	6	4	10	29
MEDICAL LIBRARY	12	10	10	7	6	11	56
MEDICAL RECORDS	14	11	10	7	6	11	59
MED SOCIAL SER	0	0	3	3	5	9	20
OCCUPATIONAL TH	0	1	1	1	2	8	13
OPERATING RM	14	11	10	7	6	11	59
ORG OUTPATIENT	0	0	4	6	5	10	25
PATH LAB	12	10	10	7	6	11	56
PHARMACY	7	11	10	7	6	11	52
PHYSICAL THERAP	3	8	9	7	6	11	44
POST OP REC RM	9	11	10	7	6	11	54
PREMATURE NURSE	5	8	9	7	6	9	44
PSYCHIATRIC INP	0	0	2	2	2	8	14
RADIOACTIVE IST	0	6	9	7	6	11	39
RADIUM THERAPY	2	5	5	6	6	11	35
REHABILITATION	0	0	0	3	1	3	7
XRAY DIAGNOSTIC	14	11	10	7	6	11	59
XRAY ROUTINE	9	6	4	2	3	6	30
XRAY THERAPEUTI	2	6	8	6	6	11	39

EXPERIMENTAL POPULATION 2

TABLE 3

FACILITIES AND SERVICES

BED INCREMENTS	25-100	101-175	176-250	251-325	326-400	OVER 401	TOTAL
ANESTHESIA	3	0	1	0	2	0	6
AUTOPSY	4	1	1	0	2	0	8
BLOOD BANK	3	0	1	0	1	0	5
CANCER REGISTER	0	0	0	0	0	0	0
CARDIOLOGY	0	0	1	0	0	0	1
CHAPEL	4	1	0	0	1	0	6
CLINICAL LAB	5	2	1	0	2	0	10
COBALT THERAPY	0	0	0	0	0	0	0
DELIVERY	3	0	0	0	0	0	3
DENTAL	3	2	0	0	2	0	7
DIETARY	5	2	1	0	2	0	10
ELECTROCARDIOLO	5	2	1	0	2	0	10
ELECTROENCEPHAL	1	0	1	0	1	0	3
ORGANIZED EMERG	2	0	1	0	1	0	4
EXTENDED CARE	1	0	0	0	1	0	2
FAMILY PLANNING	2	0	0	0	0	0	2
HOME CARE	1	0	0	0	1	0	2
ORG HOSPITAL AU	4	0	1	0	0	0	5
INTENSIVE CARE	0	0	0	0	0	0	0
MEDICAL LIBRARY	5	2	1	0	2	0	10
MEDICAL RECORDS	5	2	1	0	2	0	10
MED SOCIAL SER	4	2	1	0	1	0	8
OCCUPATIONAL TH	2	1	0	0	2	0	5
OPERATING RM	4	2	1	0	2	0	9
ORG OUTPATIENT	4	2	1	0	2	0	9
PATH LAB	2	0	1	0	2	0	5
PHARMACY	5	1	1	0	1	0	8
PHYSICAL THERAP	1	0	1	0	2	0	4
POST OP REC RM	3	0	1	0	1	0	5
PREMATURE NURSE	3	0	1	0	0	0	4
PSYCHIATRIC INP	1	0	0	0	1	0	2
RADIOACTIVE IST	1	0	0	0	1	0	2
RADIUM THERAPY	1	0	0	0	0	0	1
REHABILITATION	1	0	0	0	1	0	2
XRAY DIAGNOSTIC	5	2	1	0	2	0	10
XRAY ROUTINE	3	2	1	0	1	0	7
XRAY THERAPEUTI	0	0	1	0	1	0	2

TOTAL POPULATION

TABLE 4

CLINICS IN ORGANIZED OUTPATIENT DEPARTMENT

BED INCREMENTS	25-100	101-175	176-250	251-325	326-400	OVER 401	TOTAL
CANCER	0	0	2	1	4	11	18
DENTISTRY	0	0	0	1	2	9	12
DERMATOLOGY	0	0	3	3	2	11	19
EENT	0	0	3	3	4	10	20
GERIATRICS	1	0	3	0	0	1	5
GYNECOLOGY	1	0	3	6	5	12	27
INTERNAL MEDICI	0	0	4	6	5	12	27
MENTAL HYGIENE	1	0	0	0	0	4	5
NEUROLOGY	2	0	2	2	2	8	16
OBSTETRICS	1	0	3	6	5	9	24
ORTHOPEDICS	0	0	3	5	5	10	23
PEDIATRICS	0	0	3	5	5	8	21
PHYSICAL MED	1	0	2	2	4	5	14
PSYCHIATRY	1	0	0	0	2	8	11
SURGERY	0	0	4	6	7	11	28
TB	1	2	0	0	2	2	7
UROLOGY	0	0	3	3	3	8	17
WELL CHILD	0	0	1	3	3	3	10
BLANK	0	0	0	0	0	0	0
DELIVERIES	0	0	0	0	1	0	1
RESPIRATORY DIS	0	0	0	1	0	4	5
DIGESTIVE SYDIS	0	0	0	1	0	4	5
INJURIES	1	0	0	0	0	1	2
GENITO-URINARY	0	0	0	0	0	2	2
CIRCULATORY	0	0	1	0	0	4	5
NEOPLASMS	0	0	0	0	0	1	1
NERVOUS SYSTEM	0	0	0	1	0	3	5
BONES AND ORGAN	0	0	0	0	2	4	6
ALLERGY ENDOCRI	0	0	2	2	0	5	9
INFECTIVE DIS	0	0	0	0	0	0	0
MENTAL DISORDER	0	0	1	0	0	2	2
CONNECTIVE TISS	0	0	1	0	0	0	1
CONGENTIAL	0	0	0	0	1	0	1
PEDIATRIC	0	0	0	0	0	1	3
DENTAL CLINIC	0	0	0	0	0	0	0
ADVISORY UNITS	0	0	0	0	0	0	0
HOME SERVICES	0	0	0	0	1	0	1
LABORATORY	1	0	0	0	0	3	4

EXPERIMENTAL POPULATION 1

TABLE 5

CLINICS IN ORGANIZED OUTPATIENT DEPARTMENT

BED INCREMENTS	25-100	101-175	176-250	251-325	326-400	OVER 401	TOTAL
CANCER	0	0	2	1	4	11	18
DENTISTRY	0	0	0	1	2	9	12
DERMATOLOGY	0	0	2	3	2	11	18
EENT	0	0	2	3	4	10	19
GERIATRICS	0	0	3	0	0	1	4
GYNECOLOGY	0	0	3	6	5	12	26
INTERNAL MEDICI	0	0	3	6	5	12	26
MENTAL HYGIENE	0	0	0	0	0	4	4
NEUROLOGY	0	0	1	2	2	8	13
OBSTETRICS	0	0	3	6	5	9	23
ORTHOPEDICS	0	0	2	5	4	10	21
PEDIATRICS	0	0	2	5	5	8	20
PHYSICAL MED	0	0	2	2	3	5	12
PSYCHIATRY	0	0	0	0	2	8	10
SURGERY	0	0	3	6	6	11	26
TB	0	0	0	0	1	2	3
UROLOGY	0	0	2	3	3	8	16
WELL CHILD	0	0	0	3	3	3	9
BLANK	0	0	0	0	0	0	0
DELIVERIES	0	0	0	0	1	0	1
RESPIRATORY DIS	0	0	0	1	0	4	5
DIGESTIVE SYDIS	0	0	0	1	0	4	5
INJURIES	1	0	0	0	0	1	2
GENITO-URINARY	0	0	0	0	0	2	2
CIRCULATORY	0	0	0	0	0	4	4
NEOPLASMS	0	0	0	0	0	1	1
NERVOUS SYSTEM	0	0	0	1	0	3	4
BONES AND ORGAN	0	0	0	0	2	4	6
ALLERGY ENDOCRI	0	0	1	2	0	5	8
INFECTIVE DIS	0	0	0	0	0	0	0
MENTAL DISORDER	0	0	0	0	0	2	2
CONNECTIVE TISS	0	0	0	0	0	0	0
CONGENTIAL	0	0	0	0	1	1	2
PEDIATRIC	0	0	0	0	0	0	0
DENTAL CLINIC	0	0	0	0	0	0	0
ADVISORY UNITS	0	0	0	0	1	0	1
HOME SERVICES	0	0	0	0	0	0	0
LABORATORY	1	0	0	0	0	3	4

EXPERIMENTAL POPULATION 2

TABLE 6

CLINICS IN ORGANIZED OUTPATIENT DEPARTMENT

BED INCREMENTS	25-100	101-175	176-250	251-325	326-400	OVER 401	TOTAL
CANCER	0	0	0	0	0	0	0
DENTISTRY	0	0	0	0	0	0	0
DERMATOLOGY	0	0	1	0	0	0	1
EENT	0	0	1	0	0	0	1
GERIATRICS	1	0	0	0	0	0	1
GYNECOLOGY	1	0	0	0	0	0	1
INTERNAL MEDICI	0	0	1	0	0	0	1
MENTAL HYGIENE	1	0	0	0	0	0	1
NEUROLOGY	2	0	1	0	0	0	3
OBSTETRICS	1	0	0	0	0	0	1
ORTHOPEDICS	0	0	1	0	1	0	2
PEDIATRICS	0	0	1	0	0	0	1
PHYSICAL MED	1	0	0	0	1	0	2
PSYCHIATRY	1	0	0	0	0	0	1
SURGERY	0	0	1	0	1	0	2
TB	1	2	0	0	1	0	4
UROLOGY	0	0	1	0	0	0	1
WELL CHILD	0	0	1	0	0	0	1
BLANK	0	0	0	0	0	0	0
DELIVERIES	0	0	0	0	0	0	0
RESPIRATORY DIS	0	0	0	0	0	0	0
DIGESTIVE SYDIS	0	0	0	0	0	0	0
INJURIES	0	0	0	0	0	0	0
GENITO-URINARY	0	0	0	0	0	0	0
CIRCULATORY	0	0	1	0	0	0	1
NEOPLASMS	0	0	0	0	0	0	0
NERVOUS SYSTEM	0	0	1	0	0	0	1
BONES AND ORGAN	0	0	0	0	0	0	0
ALLERGY ENDOCRI	0	0	1	0	0	0	1
INFECTIVE DIS	0	0	0	0	0	0	0
MENTAL DISORDER	0	0	0	0	0	0	0
CONNECTIVE TISS	0	0	1	0	0	0	1
CONGENTIAL	0	0	1	0	0	0	1
PEDIATRIC	0	0	0	0	0	0	0
DENTAL CLINIC	0	0	0	0	0	0	0
ADVISORY UNITS	0	0	0	0	0	0	0
HOME SERVICES	0	0	0	0	0	0	0
LABORATORY	0	0	0	0	0	0	0

TOTAL POPULATION

TABLE 7

ORGANIZED MEDICAL SERVICES

BED INCREMENTS	25-100	101-175	176-250	251-325	326-400	OVER 401	TOTAL
MEDICINE	12	12	10	6	5	7	52
INTERNAL MED	8	6	6	6	5	12	43
SURGERY	12	11	10	7	7	12	59
PEDIATRICS	6	8	10	5	5	10	44
OBSTETRICS	12	9	9	7	5	8	50
PATHOLOGY	10	11	9	7	6	12	55
RADIOLOGY	13	12	9	7	6	12	59
ANESTHESIOLOG	12	11	10	7	7	11	58
PSYCHIATRY	1	0	2	5	3	11	22
NEUROLOGY	1	1	3	2	5	11	23
NEUROSURGERY	0	3	4	4	4	10	25
OPTHALMOLOGY	3	3	7	4	5	12	34
OTOLARYNGOLOGY	1	2	6	3	6	11	29
ORTHOPEDICS	3	4	7	5	6	11	36
GYNECOLOGY	9	5	7	6	5	9	41
CONTAGIOUS DIS	0	1	1	0	0	4	6
UROLOGY	2	3	8	4	6	10	33
BLANK	0	0	0	0	0	0	0
GP	0	0	0	2	0	2	4
OUTPATIENT CL	0	0	0	0	0	0	0
PHYSICAL MED	0	0	1	0	2	1	4
REHABILITATION	1	0	0	0	1	2	4
ALLERGY	0	0	0	0	0	1	1
ARTHRITIS	0	0	0	0	0	1	1
CARDIOLOG	0	0	0	1	0	2	3
CHEST	0	0	0	0	1	0	1
DENTISTRY	1	0	0	0	2	2	5
DERMATOLOGY	0	0	0	1	1	2	4
ENDOCRINOLOGY	0	0	0	0	0	1	1
GASTROENTEROLOG	0	0	0	0	0	1	1
GERIATRICS	0	0	0	0	0	0	0
HEMATOLOGY	0	0	0	0	0	0	0
HEMODIALYSIS	0	0	0	0	1	0	1
HYPERTENSION	0	0	0	0	0	1	1
KIDNEY	0	0	0	0	0	0	0
NUCLEAR MED	0	0	0	0	1	1	2
ONCOLOGY	0	0	0	0	0	0	0
PATHOLOGY	0	0	0	0	0	1	1
PROCTOLOGY	0	0	0	0	0	1	1
TB	1	1	0	0	0	0	2
VENERAL DIS	0	0	0	0	0	0	0
ORAL SURGERY	0	0	0	1	0	1	2
PLASTIC SURGERY	0	0	1	0	0	1	2
THORACIC SURGER	0	0	1	1	0	1	3
VASCULAR SURGER	0	0	1	1	0	0	2
MENTAL RETARD	0	0	0	0	0	0	0

EXPERIMENTAL POPULATION 1

TABLE 8

ORGANIZED MEDICAL SERVICES

BED INCREMENTS	25-100	101-175	176-250	251-325	326-400	OVER 401	TOTAL
MEDICINE	11	10	9	6	3	6	45
INTERNAL MED	7	4	6	6	4	10	37
SURGERY	11	11	9	7	5	10	53
PEDIATRICS	6	8	9	5	5	10	43
OBSTETRICS	11	9	9	7	5	8	49
PATHOLOGY	9	11	8	7	5	10	50
RADIOLOGY	12	11	8	7	5	10	53
ANESTHESIOLOG	11	11	9	7	5	10	53
PSYCHIATRY	0	0	2	4	2	9	17
NEUROLOGY	0	1	2	2	4	9	18
NEUROSURGERY	0	3	4	4	4	9	24
OPTHALMOLOGY	3	3	7	4	5	10	32
OTOLARYNGOLOGY	1	2	6	3	5	10	27
ORTHOPEDICS	3	4	6	5	5	10	33
GYNECOLOGY	7	5	7	6	5	9	39
CONTAGIOUS DIS	0	0	1	0	0	3	4
UROLOGY	2	3	7	4	5	9	30
BLANK	0	0	0	0	0	0	0
GP	0	0	0	2	0	2	4
OUTPATIENT CL	0	0	0	0	0	0	0
PHYSICAL MED	0	0	1	0	1	1	3
REHABILITATION	0	0	0	0	0	1	1
ALLERGY	0	0	0	0	0	1	1
ARTHRITIS	0	0	0	0	0	1	1
CARDIOLOG	0	0	0	1	0	2	3
CHEST	0	0	0	0	1	0	1
DENTISTRY	1	0	0	0	1	1	3
DERMATOLOGY	0	0	0	1	1	2	4
ENDOCRINOLOGY	0	0	0	0	0	1	1
GASTROENTEROLOG	0	0	0	0	0	1	1
GERIATRICS	0	0	0	0	0	0	0
HEMATOLOGY	0	0	0	0	0	0	0
HEMODIALYSIS	0	0	0	0	1	0	1
HYPERTENSION	0	0	0	0	0	1	1
KIDNEY	0	0	0	0	0	0	0
NUCLEAR MED	0	0	0	0	1	1	2
ONCOLOGY	0	0	0	0	0	0	0
PATHOLOGY	0	0	0	0	0	1	1
PROCTOLOGY	0	0	0	0	0	1	1
TB	0	0	0	0	0	0	0
VENERAL DIS	0	0	0	0	0	0	0
ORAL SURGERY	0	0	0	1	0	1	2
PLASTIC SURGERY	0	0	1	0	0	1	2
THORACIC SURGER	0	0	1	1	0	1	3
VASCULAR SURGER	0	0	1	1	0	0	2
MENTAL RETARD	0	0	0	0	0	0	0

EXPERIMENTAL POPULATION 2

TABLE 9

ORGANIZED MEDICAL SERVICES

BED INCREMENTS	25-100	101-175	176-250	251-325	326-400	OVER 401	TOTAL
MEDICINE	1	2	1	0	2	1	7
INTERNAL MED	1	2	0	0	1	2	6
SURGERY	1	0	1	0	2	2	6
PEDIATRICS	0	0	1	0	0	0	1
OBSTETRICS	1	0	0	0	0	0	1
PATHOLOGY	1	0	1	0	1	2	5
RADIOLOGY	1	1	1	0	1	2	6
ANESTHESIOLOG	1	0	1	0	2	1	5
PSYCHIATRY	1	0	0	1	1	2	5
NEUROLOGY	1	0	1	0	1	2	5
NEUROSURGERY	0	0	0	0	0	1	1
OPTHALMOLOGY	0	0	0	0	0	2	2
OTOLARYNGOLOGY	0	0	0	0	1	1	2
ORTHOPEDICS	0	0	1	0	1	1	3
GYNECOLOGY	2	0	0	0	0	0	2
CONTAGIOUS DIS	0	1	0	0	0	1	2
UROLOGY	0	0	1	0	1	1	3
BLANK	0	0	0	0	0	0	0
GP	0	0	0	0	0	0	0
OUTPATIENT CL	0	0	0	0	0	0	0
PHYSICAL MED	0	0	0	0	1	0	1
REHABILITATION	1	0	0	0	1	1	3
ALLERGY	0	0	0	0	0	0	0
ARTHRITIS	0	0	0	0	0	0	0
CARDIOLOG	0	0	0	0	0	0	0
CHEST	0	0	0	0	0	0	0
DENTISTRY	0	0	0	0	1	1	2
DERMATOLOGY	0	0	0	0	0	0	0
ENDOCRINOLOGY	0	0	0	0	0	0	0
GASTROENTEROLOG	0	0	0	0	0	0	0
GERIATRICS	0	0	0	0	0	0	0
HEMATOLOGY	0	0	0	0	0	0	0
HEMODIALYSIS	0	0	0	0	0	0	0
HYPERTENSION	0	0	0	0	0	0	0
KIDNEY	0	0	0	0	0	0	0
NUCLEAR MED	0	0	0	0	0	0	0
ONCOLOGY	0	0	0	0	0	0	0
PATHOLOGY	0	0	0	0	0	0	0
PROCTOLOGY	0	0	0	0	0	0	0
TB	1	1	0	0	0	0	2
VENERAL DIS	0	0	0	0	0	0	0
ORAL SURGERY	0	0	0	0	0	0	0
PLASTIC SURGERY	0	0	0	0	0	0	0
THORACIC SURGER	0	0	0	0	0	0	0
VASCULAR SURGER	0	0	0	0	0	0	0
MENTAL RETARD	0	0	0	0	0	0	0

TOTAL POPULATION

TABLE 10

TOTAL HOSPITAL PERSONNEL

BED INCREMENTS	25-100	101-175	176-250	251-325	326-400	OVER 401	TOTAL
ADMINISTRATIVE	245	328	477	450	389	1128	3017
DIETARY	254	452	515	492	553	1575	3841
NURSE EDUCATION	6	16	52	49	108	244	475
MAINTENANCE	323	470	722	642	767	2231	5155
DIRECT PATIENT	1532	2052	3285	3253	2932	10690	23744
TOTAL PERSONNEL	2325	3331	5077	4936	4972	15640	36281

EXPERIMENTAL POPULATION 1

TABLE 11

TOTAL HOSPITAL PERSONNEL

BED INCREMENTS	25-100	101-175	176-250	251-325	326-400	OVER 401	TOTAL
ADMINISTRATIVE	159	313	414	450	357	1128	2821
DIETARY	176	416	439	492	476	1575	3574
NURSE EDUCATION	3	16	40	49	108	244	460
MAINTENANCE	180	406	629	642	678	2231	4766
DIRECT PATIENT	950	1940	2963	3253	2664	10690	22460
TOTAL PERSONNEL	1484	3106	4509	4936	4506	15640	34181

EXPERIMENTAL POPULATION 2

TABLE 12

TOTAL HOSPITAL PERSONNEL

BED INCREMENTS	25-100	101-175	176-250	251-325	326-400	OVER 401	TOTAL
ADMINISTRATIVE	86	15	63	0	32	0	196
DIETARY	78	36	76	0	77	0	267
NURSE EDUCATION	3	0	12	0	0	0	15
MAINTENANCE	143	64	93	0	89	0	389
DIRECT PATIENT	582	112	322	0	268	0	1284
TOTAL PERSONNEL	841	225	568	0	466	0	2100

TOTAL POPULATION

TABLE 13

PERSONNEL IN DIRECT PATIENT CARE

BED INCREMENTS	25-100	101-175	176-250	251-325	326-400	OVER 401	TOTAL
MEDICAL-SURGICA	56	66	93	174	180	975	1544
NURSING	807	1351	1812	1738	1595	5887	13190
OPERATING	69	163	220	165	178	578	1373
DELIVERY	68	63	117	119	83	327	777
NURSERY	13	33	140	137	94	395	812
RADIOLOGY	53	124	160	152	161	513	1163
LABORATORY	73	156	271	252	269	934	1955
BLOOD BANK	1	6	11	13	10	76	117
ELECTROCARDIOGR	15	13	26	18	21	71	164
ELECTROENCEPHAL	0	1	6	1	6	40	54
PHARMACY	17	24	34	37	32	152	296
ANESTHESIOLOGY	13	5	6	9	14	125	172
CENTRA SUPPLY	35	57	116	120	110	377	815
MEDICAL RECORDS	38	64	91	88	92	261	634
SOCIAL SERVICE	4	1	3	6	19	113	146
EMERGENCY	24	40	119	106	79	272	640
PHYSICAL MEDICI	12	20	35	36	75	134	312
DENTAL	12	2	0	0	13	20	47
MEDICAL LIBRARY	3	2	3	7	4	59	78
OUT PATIENT	1	0	29	24	96	221	371
PSYCHIATRY	40	0	15	29	29	171	284

EXPERIMENTAL POPULATION 1

TABLE 14

PERSONNEL IN DIRECT PATIENT CARE

BED INCREMENTS	25-100	101-175	176-250	251-325	326-400	OVER 401	TOTAL
MEDICAL-SURGICA	41	64	92	128	180	962	1467
NURSING	585	1315	1657	1467	1595	5476	12095
OPERATING	50	163	186	139	178	545	1261
DELIVERY	29	63	117	104	83	318	714
NURSERY	10	33	140	120	94	380	777
RADIOLOGY	47	122	144	134	161	490	1098
LABORATORY	52	154	223	210	269	887	1795
BLOOD BANK	0	6	11	10	10	74	111
ELECTROCARDIOGR	13	13	22	15	21	67	151
ELECTROENCEPHAL	0	1	4	1	6	38	50
PHARMACY	9	23	28	30	32	139	261
ANESTHESIOLOGY	7	5	5	2	14	122	155
CENTRA SUPPLY	22	56	104	100	110	356	748
MEDICAL RECORDS	29	62	78	78	92	240	579
SOCIAL SERVICE	0	1	2	6	19	112	140
EMERGENCY	16	40	119	98	79	254	606
PHYSICAL MEDICI	3	20	31	30	75	129	288
DENTAL	12	1	0	0	13	20	46
MEDICAL LIBRARY	0	1	2	5	4	58	70
OUT PATIENT	0	0	5	17	96	216	334
PSYCHIATRY	0	0	15	29	29	147	220

EXPERIMENTAL POPULATION 2

TABLE 15

PERSONNEL IN DIRECT PATIENT CARE

BED INCREMENTS	25-100	101-175	176-250	251-325	326-400	OVER 401	TOTAL
MEDICAL-SURGICA	15	2	1	46	0	13	77
NURSING	222	36	155	271	0	411	1095
OPERATING	19	0	34	26	0	33	112
DELIVERY	39	0	0	15	0	9	63
NURSERY	3	0	0	17	0	15	35
RADIOLOGY	6	2	16	18	0	23	65
LABORATORY	21	2	48	42	0	47	160
BLOOD BANK	1	0	0	3	0	2	6
ELECTROCARDIOGR	2	0	4	3	0	4	13
ELECTROENCEPHAL	0	0	2	0	0	2	4
PHARMACY	8	1	6	7	0	13	35
ANESTHESIOLOGY	6	0	1	7	0	3	17
CENTRA SUPPLY	13	1	12	20	0	21	67
MEDICAL RECORDS	9	2	13	10	0	21	55
SOCIAL SERVICE	4	0	1	0	0	1	6
EMERGENCY	8	0	0	8	0	18	34
PHYSICAL MEDICI	9	0	4	6	0	5	24
DENTAL	0	1	0	0	0	0	1
MEDICAL LIBRARY	3	1	1	2	0	1	8
OUT PATIENT	1	0	24	7	0	5	37
PSYCHIATRY	40	0	0	0	0	24	64

TOTAL POPULATION

TABLE 16

ALL TRAINING PROGRAMS

BED INCREMENTS	25-100	101-175	176-250	251-325	326-400	OVER 401	TOTAL
NURSING	1	0	3	2	6	11	23
INTERN	2	1	3	6	6	11	29
RESIDENCY	2	3	5	6	8	11	35
CYTOTECHNOLOG	0	0	1	1	0	5	7
DIETETICS	0	0	0	1	0	3	4
INHALATION THER	0	0	0	0	1	1	2
MEDICAL RECORDS	0	0	0	0	1	1	2
MED TECHNOLOG	1	1	2	3	4	10	21
HOSPITAL ADMIN	0	0	0	0	0	4	4
NURSE ANESTHETI	0	0	0	0	0	1	1
HOS PHARMACY	0	0	0	0	0	3	3
X RAY TECH	0	0	3	3	3	11	20
PRACTICAL NURSE	0	1	7	6	4	9	27

EXPERIMENTAL POPULATION 1

TABLE 17

ALL TRAINING PROGRAMS

BED INCREMENTS	25-100	101-175	176-250	251-325	326-400	OVER 401	TOTAL
NURSING	1	0	3	1	6	10	21
INTERN	2	1	2	5	6	10	26
RESIDENCY	1	3	4	5	7	10	30
CYTOTECHNOLOG	0	0	1	1	0	5	7
DIETETICS	0	0	0	1	0	2	3
INHALATION THER	0	0	0	0	1	1	2
MEDICAL RECORDS	0	0	0	0	1	0	1
MED TECHNOLOG	1	1	1	2	4	9	18
HOSPITAL ADMIN	0	0	0	0	0	4	4
NURSE ANESTHETI	0	0	0	0	0	1	1
HOS PHARMACY	0	0	0	0	0	3	3
X RAY TECH	0	0	2	2	3	10	17
PRACTICAL NURSE	0	1	6	5	4	8	24

EXPERIMENTAL POPULATION 2

TABLE 18

ALL TRAINING PROGRAMS

BED INCREMENTS	25-100	101-175	176-250	251-325	326-400	OVER 401	TOTAL
NURSING	0	0	0	1	0	1	2
INTERN	0	0	1	1	0	1	3
RESIDENCY	1	0	1	1	1	1	5
CYTOTECHNOLOG	0	0	0	0	0	0	0
DIETETICS	0	0	0	0	0	1	1
INHALATION THER	0	0	0	0	0	0	0
MEDICAL RECORDS	0	0	0	0	0	1	1
MED TECHNOLOG	0	0	1	1	0	1	3
HOSPITAL ADMIN	0	0	0	0	0	0	0
NURSE ANESTHETI	0	0	0	0	0	0	0
HOS PHARMACY	0	0	0	0	0	0	0
X RAY TECH	0	0	1	1	0	1	3
PRACTICAL NURSE	0	0	1	1	0	1	3

TOTAL POPULATION

TABLE 19

INTERNSHIPS AND RESIDENCIES

BED INCREMENTS	25-100	101-175	176-250	251-325	326-400	OVER 401	TOTA.
TOTAL,INTERNS	9	11	34	84	63	268	469
ROTATING	9	11	30	80	63	157	350
STRAIGHT	0	0	4	2	0	111	117
TOTAL,RESIDENCY	15	22	71	154	162	954	1378
GP	0	14	18	34	21	10	97
MEDICINE	3	0	3	28	20	242	296
OB-GYN	4	0	0	12	12	67	95
ORTHOPEDICS	0	0	4	0	3	41	48
PATHOLOGY	0	0	3	10	17	80	110
RADIOLOGY	2	0	1	3	3	60	69
SURGERY	3	1	10	32	50	142	238
UROLOGY	0	0	0	0	3	21	24
PEDIATRICS	1	0	18	4	4	44	71
ANESTHESIA	2	7	10	7	11	48	85
DERMATOLOG	0	0	0	0	0	15	15
NEUROSURGY	0	0	0	0	0	5	5
TB	0	0	0	0	0	0	0
OPHTHALMOLOG	0	0	0	0	0	23	23
OTOLOGY	0	0	0	0	0	27	27
PMR	0	0	0	0	0	33	33
PLASTIC SURGERY	0	0	0	0	0	4	4
PSYCHIATRY	0	0	0	24	0	32	56
FORENSIC PATH	0	0	0	0	0	0	0
NEUROLOGY	0	0	0	0	0	27	27
THORATIC SURG	0	0	0	0	0	13	13
OTOLARYNGOLOGY	0	0	0	0	0	0	0
OCCUPATIONAL MD	0	0	0	0	0	0	0

TABLE 20

EXPERIMENTAL POPULATION 1

INTERNSHIPS AND RESIDENCIES

BED INCREMENTS	25-100	101-175	176-250	251-325	326-400	OVER 401	TOTAL
TOTAL INTERNS	9	11	30	84	63	268	465
ROTATING	9	11	30	80	63	159	350
STRAIGHT	0	0	0	2	0	111	113
TOTAL RESIDENCY	11	22	44	130	156	904	1267
GP	0	14	18	34	21	10	97
MEDICINE	3	0	3	28	14	201	249
OB-GYN	0	0	0	12	12	67	91
ORTHOPEDICS	0	0	0	0	3	41	44
PATHOLOGY	0	0	2	10	17	74	103
RADIOLOGY	0	0	1	3	3	60	69
SURGERY	2	0	10	32	50	142	238
UROLOGY	3	1	0	0	3	21	24
PEDIATRICS	0	0	0	4	4	44	53
ANESTHESIA	1	0	10	7	11	48	85
DERMATOLOG	2	7	0	0	0	15	15
NEUROSURGY	0	0	0	0	0	8	8
TB	0	0	0	0	0	0	0
OPHTHALMOLOG	0	0	0	0	0	23	23
OTOLOGY	0	0	0	0	0	77	77
PMR	0	0	0	0	0	33	33
PLASTIC SURGERY	0	0	0	0	0	4	4
PSYCHIATRY	0	0	0	0	0	32	32
FORENSIC PATH	0	0	0	0	0	0	0
NEUROLOGY	0	0	0	0	0	27	27
THORATIC SURG	0	0	0	0	0	13	13
OTOLARYNGOLOGY	0	0	0	0	0	0	0
OCCUPATIONAL MD	0	0	0	0	0	0	0

EXPERIMENTAL POPULATION 2

TABLE 21

INTERNSHIPS AND RESIDENCIES

BED INCREMENTS	25-100	101-175	176-250	251-325	326-400	OVER 401	TOTAL
TOTAL,INTERNS	0	0	4	0	0	0	4
ROTATING	0	0	0	0	0	0	0
STRAIGHT	0	0	4	0	0	0	4
TOTAL,RESIDENCY	4	0	27	24	6	50	111
GP	0	0	0	0	0	0	0
MEDICINE	0	0	0	0	6	41	47
OB-GYN	4	0	0	0	0	0	4
ORTHOPEDICS	0	0	4	0	0	0	4
PATHOLOGY	0	0	1	0	0	6	7
RADIOLOGY	0	0	0	0	0	0	0
SURGERY	0	0	0	0	0	0	0
UROLOGY	0	0	0	0	0	0	0
PEDIATRICS	0	0	18	0	0	0	18
ANESTHESIA	0	0	0	0	0	0	0
DERMATOLOG	0	0	0	0	0	0	0
NEUROSURGY	0	0	0	0	0	0	0
TB	0	0	0	0	0	0	0
OPHTHALMOLOG	0	0	0	0	0	0	0
OTOLOGY	0	0	0	0	0	0	0
PMR	0	0	0	0	0	0	0
PLASTIC SURGERY	0	0	0	0	0	0	0
PSYCHIATRY	0	0	0	24	0	0	24
FORENSIC PATH	0	0	0	0	0	0	0
NEUROLOGY	0	0	0	0	0	0	0
THORATIC SURG	0	0	0	0	0	0	0
OTOLARYNGOLOGY	0	0	0	0	0	0	0
OCCUPATIONAL MD	0	0	0	0	0	0	0

TOTAL POPULATION

TABLE 22

AREAS OF RESEARCH

BED INCREMENTS	25-100	101-175	176-250	251-325	326-400	OVER 401	TOTAL
ADMINISTRATIVE	0	0	0	0	0	2	2
BIOMEDICAL	0	0	1	0	0	2	3
CARDIOVASCULAR	0	0	1	0	3	7	11
CLINICAL PHARM	0	0	0	0	0	2	2
CON TISSUE REAC	0	0	0	0	0	1	1
DIABETICS	0	0	0	0	0	2	2
DIGESTIVE SYSTE	0	0	0	0	0	2	2
ENDOCRINOLOGY	0	0	0	0	0	0	0
GENETICS	0	0	0	2	0	2	4
GERIATRICS	0	0	0	0	0	1	1
HEMATOLOGY	0	0	0	0	1	4	5
IMMUNOLOGY	0	0	0	0	0	3	3
INFECTIOUS DIS	0	0	0	0	0	3	3
METABOLISM	0	0	0	0	0	4	4
MUSCULAR SYSTEM	0	0	0	0	0	2	2
NEOPLASMS	0	0	0	1	3	2	6
NEPHROLOGY	0	0	0	0	2	3	5
NEUROLOGY	0	0	0	1	0	3	4
NUCLEAR MEDICIN	0	0	0	0	0	2	2
NURSING	0	0	0	0	0	1	1
NUTRITION	0	0	0	1	1	1	3
OB-GYN	1	0	0	0	1	1	2
PATHOLOGY	0	0	0	0	0	2	2
PEDIATRICS	0	0	0	1	0	2	3
PULMONARY SYS	0	0	1	0	0	3	4
REHABILITATION	0	0	0	0	0	1	1
RHEUMATOLOGY	0	0	0	1	0	1	2
SURGERY	0	0	0	1	0	2	3
SURGERY,HAND	0	0	0	0	1	0	1
PSYCHIATRY	0	0	0	1	0	3	4
UNSPECIED	0	0	0	0	0	0	0

EXPERIMENTAL POPULATION 1

TABLE 23

AREAS OF RESEARCH

BED INCREMENTS	25-100	101-175	176-250	251-325	326-400	OVER 401	TOTAL
ADMINISTRATIVE	0	0	0	0	0	2	2
BIOMEDICAL	0	0	1	0	0	1	2
CARDIOVASCULAR	0	0	1	0	2	6	9
CLINICAL PHARM	0	0	0	0	0	1	1
CON TISSUE REAC	0	0	0	0	0	1	1
DIABETICS	0	0	0	0	0	2	2
DIGESTIVE SYSTE	0	0	0	0	0	1	1
ENDOCRINOLOGY	0	0	0	0	0	0	0
GENETICS	0	0	0	1	0	2	3
GERIATRICS	0	0	0	0	0	1	1
HEMATOLOGY	0	0	0	0	1	3	4
IMMUNOLOGY	0	0	0	0	0	2	2
INFECTIOUS DIS	0	0	0	0	0	2	2
METABOLISM	0	0	0	0	0	3	3
MUSCULAR SYSTEM	0	0	0	0	0	2	2
NEOPLASMS	0	0	0	1	2	1	4
NEPHROLOGY	0	0	0	0	1	3	4
NEUROLOGY	0	0	0	0	0	2	2
NUCLEAR MEDICIN	0	0	0	0	0	1	1
NURSING	0	0	0	0	0	1	1
NUTRITION	0	0	0	1	0	1	2
OB-GYN	0	0	0	0	0	1	1
PATHOLOGY	0	0	0	0	0	1	1
PEDIATRICS	0	0	0	1	0	2	3
PULMONARY SYS	0	0	1	0	0	2	3
REHABILITATION	0	0	0	0	0	1	1
RHEUMATOLOGY	0	0	0	1	0	1	2
SURGERY	0	0	0	1	0	1	2
SURGERY,HAND	0	0	0	0	0	0	0
PSYCHIATRY	0	0	0	0	0	1	1
UNSPECIFD	0	0	0	0	0	0	0

EXPERIMENTAL POPULATION 2

TABLE 24

AREAS OF RESEARCH

BED INCREMENTS	25-100	101-175	176-250	251-325	326-400	OVER 401	TOTAL
ADMINISTRATIVE	0	0	0	0	0	0	0
BIOMEDICAL	0	0	0	0	0	1	1
CARDIOVASCULAR	0	0	0	0	1	1	2
CLINICAL PHARM	0	0	0	0	0	1	1
CON TISSUE REAC	0	0	0	0	0	0	0
DIABETICS	0	0	0	0	0	1	1
DIGESTIVE SYSTE	0	0	0	0	0	0	0
ENDOCRINOLOGY	0	0	0	0	0	0	0
GENETICS	0	0	0	1	0	0	1
GERIATRICS	0	0	0	0	0	0	0
HEMATOLOGY	0	0	0	0	0	1	1
IMMUNOLOGY	0	0	0	0	0	1	1
INFECTIOUS DIS	0	0	0	0	0	1	1
METABOLISM	0	0	0	0	0	1	1
MUSCULAR SYSTEM	0	0	0	0	0	0	0
NEOPLASMS	0	0	0	0	1	1	2
NEPHROLOGY	0	0	0	0	1	0	1
NEUROLOGY	0	0	0	1	0	1	2
NUCLEAR MEDICIN	0	0	0	0	0	1	1
NURSING	0	0	0	0	0	0	0
NUTRITION	0	0	0	0	1	0	1
OB-GYN	1	0	0	0	0	0	1
PATHOLOGY	0	0	0	0	0	1	1
PEDIATRICS	0	0	0	0	0	0	0
PULMONARY SYS	0	0	0	0	0	1	1
REHABILITATION	0	0	0	0	0	0	0
RHEUMATOLOGY	0	0	0	0	0	0	0
SURGERY	0	0	0	0	0	1	1
SURGERY,HAND	0	0	0	0	1	0	1
PSYCHIATRY	0	0	0	1	0	2	3
UNSPECIED	0	0	0	0	0	0	0

Chapter III

DATA DESCRIBING FUNCTIONAL HOSPITAL MEDICAL LIBRARIES WITHIN NORTHEASTERN OHIO REGIONAL MEDICAL PROGRAM

A. Sources and Organization of the Data

This chapter focusses on the funding, organization and operation of those hospital medical libraries within NEORMP identified as functional.* Of the 73 hospitals surveyed within the RMP, 50 hospital libraries were identified as functional and 23 as non-functional. The largest concentration of functional libraries (28) occurs in Cuyahoga county, and all hospital libraries in Medina, Portage and Summit counties were identified as functional. Table 25 indicates the percentage of functional and non-functional hospital libraries in each county.

The data summarized in the following tables were obtained through a direct questionnaire survey sent to the person in charge of each functional library.** The name of this person had been obtained through a previous questionnaire directed to the hospital's administrator. Forty-four responses were received providing an 86% rate of return. Whenever appropriate, both the raw data and the relative frequencies are presented.

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*Libraries are labeled as functional if they reported personnel actually performing library tasks and as non-functional if they reported an administrator, DME or staff member as having responsibility for the library, but reported no person actually involved in library tasks. (See Interim Report No. 2, for a detailed description of this classification.)
**See Interim Report No. 1 for the Medical Library Questionnaire.

B. Tables

Tables 26 and 27 deal with the funding and expenditures of functional libraries. The relationship of departmental book collections to the hospital's main medical library is explored in Table 28 and 29, and the reported procedures for purchasing new library materials is summarized in Table 30. The demand for various library services, the effect of hospital-based educational and research programs on the library and the library usage habits of categories of hospital personnel are presented in Tables 31, 32 and 33. Tables 34 summarizes circulation policies referring to reference books and to journals. The composition, organization and authority of the library committees of functional libraries are indicated in Tables 35, 36, 37 and 38.

TABLE 25

DISTRIBUTION OF FUNCTIONAL AND NON-FUNCTIONAL HOSPITAL MEDICAL LIBRARIES IN NEORMP.

County	Functional	Non-functional
Ashtabula	67%	33%
Columbiana	--	100%
Cuyahoga	78%	22%
Geauga	--	100%
Lake	50%	50%
Lorain	80%	20%
Mahoning	50%	50%
Medina	100%	--
Portage	100%	--
Stark	60%	40%
Summit	100%	--
Trumbull	40%	60%

TABLE 27

TOTAL REPORTED EXPENDITURES BY ALL RESPONDING FUNCTIONAL HOSPITAL LIBRARIES IN NEORMP FOR 1966-67

Budget Item	Total Expenditures
Salaries	$227,321.
Books	47,279.
Journals	52,984.
Binding/Maintenance	21,011.
A-V Materials/Equipment	1,246.
Membership Fees	2,230.
Inter-Library Loan Fees	180.
Photocopying	2,575.
Library Supplies	6,244.
Travel	2,065.
TOTAL	$363,135.

TABLE 28

THE RELATIONSHIP OF DEPARTMENTAL BOOK COLLECTIONS REPORTED BY HOSPITALS WITH FUNCTIONAL LIBRARIES IN NEORMP, TO THE MAIN MEDICAL LIBRARY

Item	Response[1]		
	Yes	No	Not Given
1. Are book collections[2] maintained by various Medical Departments (or Services) in the hospital apart from the main medical library?	27(63%)	10(23%)	7(14%)
2. Are medical library funds used to support Medical Departments (or Services) book collections?	7(16%)	32(74%)	5(10%)
3. Are book collections for these Medical Departments (or Services) processed through the main medical library?	13(30%)	26(61%)	5(9%)
4. Are catalogue cards filed in the main Medical Library for items located in these Medical Departments (Service) collections?	13(30%)	25(58%)	6(12%)

[1]Figures in parenthesis are relative frequencies based on the total number of reporting functional libraries (44).

[2]A list of the Medical Services reporting book collections appears in Table 6.

TABLE 29

LISTING OF DEPARTMENTS POSSESSING BOOK COLLECTION AS REPORTED BY HOSPITALS WITH FUNCTIONAL LIBRARIES IN NEORMP

Medical Department (Service)	Frequency
Biochemistry	1 (2%)*
Cardiology	1 (2%)
Laboratory, Pathology	14 (33%)
Medicine	3 (7%)
Nursing	6 (14%)
OBGYN	4 (9%)
Pediatrics	1 (2%)
Pharmacology	1 (2%)
Psychiatric Services	4 (9%)
Research Department	6 (14%)
Therapy	3 (7%)
X-ray	11 (26%)

*Figures in parenthesis are relative frequencies based on the total number of reporting functional libraries (44).

TABLE 30

PROCEDURE FOR THE PURCHASE OF LIBRARY MATERIALS
IN REPORTING FUNCTIONAL HOSPITAL LIBRARIES IN NEORMP

ITEM	RESPONSES	
1. Who recommends new acquisitions for the main medical library collection?	a) Chiefs of Staff	22(51%)*
	b) Library Committee	28(65%)
	c) Librarian	18(42%)
	d) Staff	19(44%)
2. Who decides whether or not the recommended acquisition?	a) Administrator	9(21%)
	b) Library Committee	34(79%)
	c) Librarian	4(9%)

*Figures in parenthesis are relative frequencies based on the total number of reporting functional libraries (44).

TABLE 31

ED DEMAND FOR LIBRARY SERVICES
RTING FUNCTIONAL LIBRARIES IN NEORMP

EVALUA
WITHIN RE

LIBRARY SERVICES	REPORTED DEMAND			
	Heavy	Moderate	Little	Not Given
	18 (41%)*	14 (32%)	2 (15%)	10 (22%)
1. Loan of Books	10 (23%)	14 (32%)	6 (14%)	14 (31%)
2. Loan of Unbound Journals	9 (20%)	12 (27%)	6 (14%)	17 (39%)
3. Loan of Bound Journals	3 (7%)	10 (23%)	14 (31%)	17 (39%)
4. Inter-Library Loan	10 (23%)	8 (18%)	4 (9%)	22 (50%)
5. Photocopy	11 (25%)	14 (32%)	2 (5%)	17 (39%)
6. Quick Reference	8 (18%)	8 (18%)	5 (11%)	23 (53%)
7. Compilation of Bibliographies	2 (5%)	7 (16%)	7 (16%)	28 (63%)
8. Verification of Bibliograph	3 (7%)	4 (9%)	4 (9%)	33 (75%)
9. Routing Current Journals	2 (5%)	4 (9%)	3 (7%)	35 (79%)
10. Routing Acquisition Lists	3 (7%)	10 (23%)	5 (11%)	26 (59%)
11. Personal Notification of A	1 (2%)	6 (14%)	3 (7%)	34 (77%)
12. Translation Service	1 (2%)	5 (11%)	8 (18%)	30 (69%)
13. Loan of Films, Slides and	1 (2%)	3 (7%)	1 (2%)	39 (89%)
14. Loan of Audio-Visual Equip				

*Figures in parenthesis are rel ive frequencies based on the total number of reporting functional libraries (44).

TABLE 32

PERCENTAGES OF LIBRARIANS FROM RESPONDING FUNCTIONAL LIBRARIES REPORTING INCREASED DEMAND ON THE LIBRARY RESULTING FROM HOSPITAL-BASED EDUCATIONAL AND RESEARCH PROGRAMS (NEORMP)

PROGRAMS	PERCENTAGE
1. Hospital-based Training Programs	64%
2. Hospital-based Continuing Education Programs	36%
3. Hospital-based Research Programs	34%

*Figures in parenthesis are relative frequencies based on the total number of reporting functional libraries (44).

TABLE 33

LIBRARY USAGE PATTERNS OF HOSPITAL PERSONNEL AS REPORTED BY FUNCTIONAL LIBRARIES IN NEORMP

HOSPITAL PERSONNEL CATEGORIES	REPORTED LIBRARY USAGE			
	Heavy	Moderate	Little	Not Given
1. Attending Staff	11 (25%)*	26 (59%)	5 (11%)	2 (5%)
2. Courtesy Staff	2 (5%)	18 (41%)	13 (30%)	11 (24%)
3. Residents**	29 (66%)	5 (11%)	1 (2%)	9 (20%)
4. Interns	26 (59%)	3 (7%)	1 (2%)	14 (32%)
5. Nurses	3 (7%)	12 (27%)	16 (36%)	13 (30%)
6. Licensed Practical Nurses	1 (2%)	7 (16%)	12 (27%)	24 (55%)
7. Medical Students	5 (11%)	1 (2%)	2 (5%)	36 (82%)
8. Nursing Students	5 (11%)	12 (27%)	5 (11%)	22 (51%)
9. Practical Nursing	1 (2%)	5 (11%)	9 (20%)	29 (67%)
10. Administrative Personnel	2 (5%)	10 (23%)	16 (36%)	16 (36%)
11. Research Personnel	9 (20%)	11 (25%)	3 (7%)	21 (48%)
12. Dietitians	1 (2%)	9 (20%)	12 (27%)	22 (51%)
13. Social Work Personnel	3 (7%)	5 (11%)	6 (14%)	30 (68%)
14. Physical Therapy Personnel	2 (6%)	10 (23%)	12 (27%)	20 (44%)
15. Rehabilitation Therapy Personnel	2 (5%)	6 (13%)	11 (25%)	25 (57%)
16. Medical Technician Personnel	3 (7%)	7 (13%)	13 (30%)	21 (50%)

*Figures in parenthesis are relative frequencies based on the total number of reporting functional libraries (44).

**All reporting hospitals do not report all categories of personnel; library priviliges and key privileges appear to be extended to all personnel.

TABLE 34

CHECK-OUT POLICIES REGARDING JOURNALS AND REFERENCE BOOKS AS REPORTED BY FUNCTIONAL LIBRARIES IN NEORMP

MATERIALS	CHECK-OUT PERMITTED
1. Reference Books	23 (48%)*
2. Current Journals	34 (77%)
3. Bound Journals	38 (86%)

*Figures in parenthesis are relative frequencies based on the total number of reporting functional libraries (44).

TABLE 35

THE LIBRARY COMMITTEE IN REPORTING FUNCTIONAL HOSPITAL LIBRARIES IN NEORMP

ITEM	RESPONSE		
	Yes	No	Not given
1. Is there a library committee for the Medical Library?	38(86%)*	3**(7%)	2(7%)
2. Is the membership of the library committee based upon the representation of certain medical departments (services)?	29+(66%)	9(20%)	5(14%)
3. Is the medical librarian a member of the committee?	30(68%)	8(18%)	5(14%)
4. Do library committee meetings result in written or oral directions to the medical librarian concerning the library collection, services or facilities?	29(66%)	9(20%)	5(14%)

*Figures in parenthesis are relative frequencies based on the total number of reporting functional libraries (44.)

**In the three hospitals that reported no library committee, the librarian was responsible either to the administrator or to the Director of Medical Education.

+ A list of the medical departments represented on various library committees appears in Table 13.

TABLE 36

MEDICAL DEPARTMENT REPRESENTED ON
LIBRARY COMMITTEES, AS REPORTED BY
FUNCTIONAL HOSPITAL LIBRARIES WITHIN NEORMP.

MEDICAL DEPARTMENTS (Services)	FREQUENCY
Administration	1 (2%)*
General Practice	3 (7%)
Laboratory, Pathology	9 (20%)
Medical Education	3 (7%)
Medicine	25 (57%)
Neurology	1 (2%)
OBGYN	11 (25%)
Orthopedics	1 (2%)
Pediatrics	4 (9%)
Psychiatry	3 (7%)
Surgery	20 (45%)
X-ray	5 (11%)

*Figures in parenthesis are relative frequencies based on the total number of reporting functional libraries (44).

TABLE 37

MEETING SCHEDULES FOR LIBRARY COMMITTEES AS REPORTED BY FUNCTIONAL HOSPITAL LIBRARIES IN NEORMP

MEETING SCHEDULE	HOSPITAL REPORTING SCHEDULE	
	Number	Percent
Once/week	2	6%
Once/month	7	16%
Once/3 months	10	23%
Twice/year	5	11%
Sporadically	15	34%
Not Given	5	10%

TABLE 38

TYPES OF ADMINISTRATIVE CONTROL EXERCISED BY LIBRARY COMMITTEES, AS REPORTED BY FUNCTIONAL HOSPITAL LIBRARIES IN NEORMP

CONTROL	FREQUENCY	
	NUMBER	PERCENT
Budget	24	55%*
Acquisition Policy	34	77%
Circulation Policy	28	64%
Library Services	20	45%

*Relative frequency based on total number of reporting functional libraries (44).

Chapter IV

DATA DESCRIBING FUNCTIONAL LIBRARY MANPOWER WITHIN NORTHEASTERN OHIO REGIONAL MEDICAL PROGRAM

A. Sources and Organization of Data

The tables which follow describe the manpower employed in the 50 functional hospital libraries within the RMP, with particular reference to their educational attainment, the amount of time spent in the medical library and job mobility. Data were drawn from two sources, and the source is indicated in each of the tables. The first source was the Medical Library Questionnaire completed for 44 of the 50 functional libraries within the RMP. The other source was a questionnaire sent directly to each person who reported spending any part of his/her time performing library tasks. This latter questionnaire was completed by 38 persons.*

It is for this group of persons in Ohio, and for their counterparts in other functional hospital libraries, that programs of continuing education will be designed. These educational programs will concentrate on the development of skills and attitudes necessary for the provision of better user services. Library personnel will be introduced to efficient methods of information organization and dissemination, and to the procedures of inter-library loan and of locating and using library resources within their region. Methods of maximizing limited budgets

*See Interim Report Number One for the Librarian Questionnaire Rees, Alan M. and Lesliebeth Rothenberg, Interim Report No. 1 cited above.

will be stressed as well as the development of personalized user services. It is hoped that the end result of these programs will be the development and optimization of an user-oriented information transfer network within geographic regions and the integration of regional networks into the existing health sciences library systems.

B. Tables

The following tables summarize data relating to the educational attainment, age, job mobility and work experience of reporting personnel. Tables 40 and 41 are of particular interest; they indicate the amount of time spent by library personnel in library work and the types of non-library tasks that they also perform. Data regarding age and length of present employment are of interest in that they indicate the job stability of these persons, and, therefore, argue for their continued education.

TABLE 39**

FREQUENCY DISTRIBUTION OF THE LEVEL
OF EDUCATION OF ALL PERSONNEL WORKING
IN REPORTING FUNCTIONAL HOSPITAL LIBRARIES IN
THE NORTHEAST OHIO REGIONAL MEDICAL PROGRAM (NEORMP)

HIGHEST ACADEMIC ACHIEVEMENT	DISTRIBUTION		UNDERGRADUATE MAJOR
	Frequency	Percent	
High School	17	39%	
BA or BS	6	14%	2 Liberal Arts
MA or MS	2	5%	14 Sciences
Library Degree*	8	19%	
Unspecified	11	23%	
TOTAL	44	100%	

*Library degree includes BSLS and MSLS.
**Data drawn from the Medical Library Questionnaire.

TABLE 40*

KINDS AND FREQUENCIES OF NON-LIBRARY TASKS
PERFORMED BY REPORTING LIBRARY PERSONNEL IN FUNCTIONAL LIBRARIES IN NEORMP

NON-LIBRARY TASKS	DISTRIBUTION	
	Frequency	Percent
Medical Records	10	23%
Clerical/Secretarial	2	5%
No other tasks	9	21%
Not Given	23	51%
TOTAL	44	100%

*Data drawn from the Medical Library Questionnaire.

TABLE 41*

DISTRIBUTION OF FUNCTIONAL LIBRARY PERSONNEL
BY TIME REPORTED IN LIBRARY

PERCENTAGE OF TIME SPENT IN LIBRARY	NUMBER OF PERSONS
1 - 5 %	3
6 - 10%	4
11 - 25%	2
26 - 50%	3
51 - 75%	1
76 - 100%	20
NOT GIVEN	11

*Data drawn from the Medical Library Questionnaire.

TABLE 42*

STATISTICAL DESCRIPTION OF LIBRARY MANPOWER,
BY HIGHEST ACADEMIC DEGREE

Degree	Mean Year of Award	Mean Age (1968)	Mean Number of Years in Present Job
High School	1940	46	4 years
BS or BA	1962	28	2 years
MS or MA	Not Given	Not Given	4 years
Library Degree	1951	40	7 years

*Data taken from Librarian Questionnaire

Degree	Number Reporting Continuing Education Courses	Number Reporting Previous Library Job Experience	Number Reporting On-The-Job-Training
High School	5	2	14
BS or BA	1	0	2
MS or MA	0	0	0
Library Degree	2	6	2

Chapter V

APPENDICES

A. Hospitals Within the Northeastern Ohio Regional Medical Program, by County

2

APPENDIX A

HOSPITALS WITHIN THE NORTHEASTERN OHIO REGIONAL MEDICAL PROGRAM

BY COUNTY

Ashtabula County
Memorial Hospital of Geneva
Mr. Eugene L. Swanson, Administrator
Miss Dorothy Geho, Med. Lib.

Ashtabula General Hospital
Mr. George C. Dubach, Administrator
Mrs. C. Kiefer, Med. Lib.

Brown Memorial Hospital
Mrs. Lois Laugen, Administrator
Dr. Jorge Ricaurte, Med. Lib.

Columbiana County
East Liverpool City Hospital
Miss Nell Ribinson, Administrator
??

East Liverpool Osteopathic Hospital
John E. Hayes, D.O., Administrator
W.G. Jones, Med. Lib.

Salem City
Robert F. Rice

Central Clinic and Hospital
Mr. Jerry A. Colaizzi, Administrator
Dr. A.I. Suliot, Med. Lib.

Cúyahoga County
Cleveland Clinic
Mr. James G. Harding, Administrator
Miss Rita Feran, Med. Lib.

Cleveland Metropolitan General
Mr. David A. Miller, Administrator
Miss Elizabeth Stein, Med. Lib.

Fairview General
Mr. Edwin F. Ross, Administrator
Mrs. Mary Lou Ratzloff, Med. Lib.

Cuyahoga County
Highland View Hospital
Mr. E.W. Miller,Administrator
Methodius Plashkach, Med. Lib.

Huron Road Hospital
Mr. E. W. Miller, Administrator
Miss Mary Krichbaum, Librarian

Mt. Sinai Hospital
Mr. Sidney Lewine, Administrator
Mrs. Alice Davidson, Head Lib.

St. John's Hospital
Sister Mary Jean Andre, Administrator
Sister M. Joannes, Med. Lib.

St. Luke's Hospital
Mr. Kenneth J. Shoos, Administrator
Miss Mary A. Kumor, Med. Lib.

St. Vincent Charity
Sister M. Timothy, Administrator
W. Braxton Cooley, Librarian

University Hospitals
Mr. Stanley A. Ferguson, Administrator
Shirley Reiter, Med. Lib.

Euclid General Hospital
Mr. Jay W. Collins, Administrator
Helen A. Hayes, Med. Lib.

Lakewood Hospital
Mr. Arthur A. Lepinot, Administrator
Mrs. Dorothy Jorgens, Med. Lib.

Veterans Administration Hospital
Samuel L. Aspis, Administrator
Dorothy L. Smith, Med. Lib.

Veterans Administration Hospital
J. W. Standeven, M.D., Administrator
Mrs. Liona Stevens, Med. Lib.

Cleveland Psychiatric Institute
Edward N. Hinko, M.D., Administrator
Mrs. Elsie Kaiser, Med. Lib.

Cuyahoga County
Bay View Hospital
John A. Rowland, Administrator
Ida Broadwell, Med. Lib.

Bedford Municipal
Miss Florence H. Cline, Administrator
Marie M. Cullen, Med. Lib.

Booth Memorial
Captain Glen Seiler, Administrator
Brigadier J.E. King, Med. Lib.

Grace Hospital
Mr. Ronald M. Streem, Administrator
Violet Kopalko, Med. Lib.

Marymount Hospital
Sister Mary Camille, Administrator
Mrs. Alice Boggess, Med. Lib.

Ingleside Hospital
Mr. George H. Holmes, Administrator
Frances F. Crawfis, Med. Lib.

Forest City Hospital
Mr. James Saponaro, Administrator
Miss Therese Dykes, Med. Lib.

Woman's Hospital
Miss Gladys A. Cooper, Administrator
Mrs. H. Wilkins, Med. Lib.

Parma Community Hospital
Mr. John Tatum, Administrator
Philomena Calabua, Med. Lib.

St. Alexis
Sister M. Emmalita, Administrator
Miss Seminary, Med. Lib.

Lutheran Hospital
Mr. Luther W. Goehring, Administrator
Miss Joan Solly, Med. Lib.

Polyclinic Hospital
Mr. Roger W. Marquand, Administrator
Ruth Sabin, Med. Lib.

Cuyahoga County
Sunny Acres
Hugh B. Kelly, M.D.,Administrator
Mrs. G. Hogarth, Clerk Stenographer

Suburban Community Hospital
Mr. J. Richard Cartmell, Administrator
Sidney Lobe, M.D., Med. Lib.

Evangelical Deaconess
Mr. C. M. Nikel, Administrator
Victor Hirsch, M.D., Med. Lib.

Southwest General
Mrs. Helen B. Ott, Administrator
Dorothy E. Schult, Asst. Admin.

Richmond Heights General
Mr. D.W. Adams, Administrator
D. J. Aveni, Med. Lib.

Brentwood Hospital
Mr. Paul J. Stitzel, Administrator
R. P. Denise, D.O., Med. Lib.

St. Ann Hospital
Sister Mary Adrienne, Administrator
Dr. William Macey, Med. Lib.

Shaker Medical Center
Mr. Joseph W. Davis, Administrator
Edward Neary, M.D., Med. Lib.

Doctor's Hospital
Mr. Robert Moss, Administrator

Geauga County
Geauga Community Hospital
Mr. William D. Hilliard, Administrator
Mrs. L. Thomas, Med. Lib.

Lorain County
St. Joseph Hospital
Sister Helen Bonham, Administrator
Mrs. M. Cozard, Med. Lib.

Lorain County
Elyria Memorial Hospital
Mr. Harold A. Zealley, Administrator
Agnes Anderson, Med. Lib.

Lorain Community Hospital
Mr. James E. Huson, Administrator
Mrs. Frances A. Kolbmann, Med. Lib.

Southern Lorain County Hospital
Mr. A. E. Tewksbury, Administrator
Jean Hartman, Med. Lib.

Allen Memorial Hospital
Mr. Donald C. Leine, Administrator
Rupert O. Clark, M.D., Med. Lib.

Mahoning County
Youngstown Hospital
Mr. William B. Esson, Administrator
Mrs. Sallie Moran, Med. Lib.

St. Elizabeth Hospital
Sister Mary Consolata, Administrator
Nancy Lorenzi, Med. Lib.

Medina County
Lodi Community Hospital
Mr. David W. W. Snyder, Administrator
Mrs. Loretta Burrows, Med. Lib.

Medina Community Hospital
Mr. Edward A. Hall, Administrator

Portage County
Robinson Memorial Hospital of Portage County
Mr. Paul C. Jacobs, Administrator
Miss Kay Hutchins, Med. Lib.

Stark County
Aultman Hospital
Mr. Howard R. Taylor, Administrator
Leah Huff, Medical Librarian

Stark County
Timken-Mercy Hospital
Sister M. Marcia, Administrator
Sister Kathleen, Med. Lib.

Massillon Hospital
Mr. Robert L. Zucker, Administrator
Dr. Frank Goodnough, Med. Lib.

Doctor's Hospital
Mr. Matthew S. Haroneski, Administrator
Irving M. Gordeon, D. O., Med. Lib.

Summit County
Akron City Hospital
Mr. Harold R. Funk, Administrator
Mrs. Margaret Chaff, Med. Lib.

Akron General Hospital
Joseph S. Lichty, M.D., Administrator
Mrs. Helen Schlemmer, Medical Lib.

Children's Hospital
Mr. Roger Sherman, Administrator
Roberta Shorter, Medical Lib.

St. Thomas Hospital
Sister MaryBrigid, Administrator
Mrs. Julia Aydlett, Med. Lib.

Green Cross General
Mr. Ralph Keilch, Administrator
Mrs. Thelma Freeman, Med. Lib.

Trumbull County
Trumbull Memorial Hospital
Mr. John F. Latcham, Administrator
Mrs. Sumers, Med. Lib.

Community Hospital
Mr. Frank H. Trio, Administrator
Mrs. Marie Marlatt, Med. Lib.

Warren General Hospital
R. D. Pilasky, Administrator
Thomas Rusk, D.O. Med. Lib.

Trumbull County
Hillside Hospital
Donn F. Covert, M.D., Administrator
Donn F. Covert, Med. Lib.

St. Joseph's Riverside Hospital
Sister Mary Vincentia, Administrator
Sister Mary Vincentia, Med. Lib.

Lake County
Lake County Memorial Hospital
James I. Boyce, Administrator
Mrs. A.E. White, Med. Lib.

Northeastern Ohio General Hospital
John J. Russell
Dr. Malinowski, Med. Lib.

APPENDICES

B. Medical Practice Data For Northeastern Ohio Regional Medical Program

APPENDIX B-1

MEDICAL PRACTICE DATA FOR NEORMP (12 Counties)*

County	Total Non-Federal	MAJOR PROFESSIONAL ACTIVITY - DECEMBER 31, 1967							
			PATIENT CARE						
			Solo, Partnership, Group, and Other Practice						
		Total	Gen. Pract.	Med. Spec.	Surg. Spec.	Other Spec.	Hospital Based	Other Prof. Act.	Inactive
NEORMP (12 Counties)	6,221	5,776	1,049	941	1,291	640	1,855	277	168
Ashtabula	59	58	31	4	17	4	2		1
Columbiana	72	68	44	6	11	5	2		4
Cuyahoga	3,777	3,447	468	577	703	356	1,343	254	76
Geauga	33	31	9	2	10	10			2
Lake	119	110	39	18	37	15	1	1	8
Lorain	243	232	69	26	49	38	50	3	8
Mahoning	464	449	76	84	108	48	133	4	11
Medina	57	53	30	9	10	4			4
Portage	71	60	21	7	18	6	8	5	6
Stark	379	358	71	76	120	45	46	1	20
Summit	767	739	140	113	165	90	231	7	21
Trumbull	180	171	51	19	43	19	39	2	7

*Reprinted from: American Medical Association, Distribution of Physicians, Hospitals, and Hospital Beds in the U.S., 1967, Table 12.

APPENDIX B-2

MEDICAL PRACTICE DATA FOR NEORMP (12 COUNTIES)*

County	HOSPITAL AND POPULATION DATA				
	Number of Hospitals — December 1, 1967 —	Number of Hospital Beds — December 1, 1967 —	Resident Population January 1, 1967	Income Per Capita — 1966 —	Income Per Household — 1966 —
NEORMP (12 counties)	59	15,259	4,109,300	2,530	8,863
Ashtabula	3	307	100,200	2,315	7,865
Columbiana	3	394	106,800	2,202	7,302
Cuyahoga	27	7,690	1,763,000	3,074	10,159
Geauga	1	103	59,300	2,708	10,163
Lake	1	325	181,400	2,773	10,062
Lorain	5	808	255,400	2,372	8,567
Mahoning	2	1,351	299,900	2,376	8,217
Medina	3	244	75,100	2,397	8,533
Portage	1	228	108,300	2,392	9,027
Stark	5	1,322	366,000	2,545	8,655
Summit	6	1,981	559,400	2,765	9,286
Trumbull	2	506	234,500	2,442	8,523

*Reprinted from: American Medical Association, Distribution of Physicians, Hospitals, and Hospital Beds in the U.S., 1967, Table 12.